REDUNDANT EXTERNAL STORAGE VIR-TUALIZATION COMPUTER SYSTEM

Abstract

A redundant external storage virtualization computer system. The redundant storage virtualization computer system includes a host entity for issuing an IO request, a redundant external storage virtualization controller pair coupled to the host entity for performing an IO operation in response to the IO request issued by the host entity, and a plurality of physical storage devices for providing storage to the computer system. Each of the physical storage devices is coupled to the redundant storage virtualization controller pair through a point-to-point serial signal interconnect. The redundant storage virtualization controller pair includes a first and a second storage virtualization controller both coupled to the host entity. In the redundant storage virtualization controller pair, when the second storage virtualization controller is not on line, the first storage virtualization controller will take over the functionality originally performed by the second storage virtualization controller.